

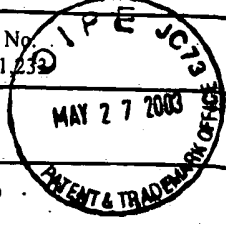
Form PTO-1449		U.S. Department of Commerce Patent and Trademark Office		Atty. Docket No. P21188		Serial No. 09/961 233	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use several sheets if necessary)				Applicants Hiroshi NOMURA et al.		<div style="border: 2px solid black; border-radius: 50%; padding: 10px; display: inline-block;"> <b>EXPIRE</b>  <b>MAY 27 2003</b> </div>	
				Filing Date September 24, 2001			
<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
JP	4 4 8 4 8 0 0	11/27/84	TAMURA				
JP	4 5 7 6 4 4 6	03/18/86	KAMATA				
JP	4 5 9 5 0 8 1	06/17/86	PARSONS				
JP	4 6 6 2 2 4 1	05/05/87	EDWARDS				
JP	4 8 3 4 5 1 4	05/30/89	ATSUTA et al.				
JP	4 9 7 1 4 2 7	11/20/90	TAKAMURA et al.				
JP	4 9 9 3 8 1 5	02/19/91	YAMAZAKI et al.				
JP	5 0 3 7 1 8 7	08/06/91	ODA et al.				
JP	5 1 2 6 8 8 3	06/30/92	SATO et al.				
JP	5 1 7 7 6 3 8	01/05/93	EMURA et al.				
JP	5 1 9 6 9 6 3	03/23/93	SATO et al.				
JP	5 2 6 8 7 9 4	12/07/93	CHAN				
<b>FOREIGN PATENT DOCUMENTS</b>							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
JP	0 4 3 4 0 9 0 7	11/27/92	JAPAN				
<b>OTHER DOCUMENTS (Including Author, Title, Date; Pertinent Pages, Etc.)</b>							
JP	1	English Language Abstract of JP Appln. No. 04-340907.					
EXAMINER <i>John P. Heth</i>				DATE CONSIDERED <i>4/21/04</i>			
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

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				Filing Date September 24, 2001		Group 2872	
<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
W	4 9 1 8 4 8 0	04/17/90	HORI				
W	4 9 7 5 7 2 5	12/04/90	MORISAWA				
W	5 1 4 4 3 5 2	09/01/92	SHONO				
W	5 2 2 2 4 0 7	06/29/93	SEKIGUCHI				
W	5 2 3 7 3 5 7	08/17/93	MORISAWA				
W	5 3 1 3 2 4 4	05/17/94	ARAI				
W	5 6 4 6 7 9 0	07/08/97	KOHMOTO et al.				
W	5 6 7 1 4 4 9	09/23/97	SHIMIZU				
W	5 7 0 1 2 0 8	12/23/97	SATO et al.				
W	5 7 0 8 5 3 3	01/13/98	HAMASAKI				
W	5 7 7 4 7 4 8	06/30/98	ITO et al.				
W	5 8 4 2 0 5 7	11/24/98	NOMURA et al.				
W	4 9 1 7 4 8 2	04/17/90	ITO				
W	4 9 7 8 2 0 4	12/18/90	ITO				
W	4 9 8 4 8 7 7	01/15/91	ITO				
W	5 5 7 2 2 7 6	11/05/96	HIRAKAWA				
W	6 0 2 8 7 1 4	02/22/00	KOYAMA				
<b>FOREIGN PATENT DOCUMENTS</b>							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
W	20 00 2 7 5 5 1 8	10/06/00	JAPAN				
W	8- 1 4 6 2 9 6	06/07/96	JAPAN				
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>							
W	1	English Language Abstract of JP 2000-275518.					
W	2	English Language Abstract of JP 8-146296.					
<b>EXAMINER</b> <i>Blue Shuteh</i> <b>DATE CONSIDERED</b> <i>4/21/04</i>							
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<b>U.S. PATENT DOCUMENTS</b>						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>HL</i>	6 1 1 8 6 6 6	09/12/00	AOKI et al.			
<i>HL</i>	6 1 6 0 6 7 0	12/12/00	NAKAYAMA et al.			
<i>HL</i>	6 4 2 4 4 6 9	07/23/02	HIRAI			
<i>HL</i>	6 4 3 7 9 2 4	08/20/02	AZEGAMI			
<i>HL</i>	6 4 9 3 5 1 1	12/10/02	SATO			
<i>HL</i>	6 4 2 9 9 7 9	08/06/02	ENOMOTO			
<i>HL</i>	6 4 3 7 9 2 2	08/20/02	ENOMOTO et al.			
<i>HL</i>	6 5 2 2 4 7 8	02/18/03	NOMURA et al.			
<i>HL</i>	6 5 2 2 4 8 2	02/18/03	NOMURA et al.			
<i>HL</i>	6 5 2 2 4 8 1	02/18/03	NOMURA et al.			
<i>HL</i>	6 4 2 9 9 7 9	08/06/02	ENOMOTO			
<i>HL</i>	6 4 3 7 9 2 2	08/20/02	ENOMOTO et al.			
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	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>						
EXAMINER <i>John A. R. Little</i>			DATE CONSIDERED <i>4/21/04</i>			

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JP	5 3 0 1 0 6 6	04/05/94	HIGUCHI et al.						
JP	5 5 8 9 9 8 7	12/31/96	TANAKA						
JP	5 7 0 1 2 0 8	12/23/97	SATO et al.						
JP	5 7 3 9 9 6 2	04/14/98	ASAKURA et al.						
JP	5 7 7 4 2 6 6	06/30/98	OTANI et al.						
JP	5 8 7 0 2 3 2	02/09/99	TSUJI et al.						
JP	5 9 3 3 2 8 5	08/03/99	SATO et al.						
JP	6 0 6 9 7 4 5	05/30/00	FUJI et al.						
JP	6 1 9 5 2 1 1	02/27/01	IWASAKI						
JP	6 3 6 9 9 5 5	04/09/02	ENOMOTO et al.						
JP	6 4 5 6 4 4 2	09/24/02	ENOMOTO						
JP	6 4 5 6 4 4 5	09/24/02	NOMURA et al.						

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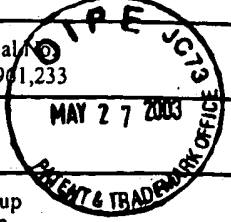
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)									

EXAMINER <i>James A. Pothollet</i>	DATE CONSIDERED <i>4/21/04</i>
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE		
JP		6 4 6 9 8 4 0	10/22/02	NOMURA et al.					
JP		6 4 6 9 8 4 1	10/22/02	NOMURA et al.					
JP		6 5 1 2 6 3 8	01/28/03	SATO et al.					
JP	2002	/ 0 0 1 2 1 7 8	01/31/02	NOGUCHI					
JP	2002	/ 0 0 3 6 8 3 6	03/28/02	HAGIMORI					
JP		4 3 9 0 2 6 2	06/28/83	HIROHATA et al.					
JP		4 4 1 6 5 2 7	11/22/83	OKURA					
JP		5 1 6 6 8 2 9	11/24/92	IIZUKA					
JP		5 2 4 1 4 2 2	08/31/93	SHIMADA et al.					
JP		5 4 6 1 4 4 3	10/24/95	NAKAYAMA et al.					
JP		5 5 5 9 5 7 1	09/24/96	MIYAMOTO et al.					
JP		5 8 1 2 8 8 9	09/22/98	NOMURA et al.					

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)									

EXAMINER <i>Hein Schubert</i>	DATE CONSIDERED <i>4/21/04</i>
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